

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A pallet support apparatus comprising:

a support loading end adapted for loading a pallet opposite from a support rear end;

two parallel opposed substantially horizontal rails (12) spaced and adapted to receive opposed side edge portions of a loaded pallet moved in a substantially horizontal plane between the rails;

~~one or more~~ members connected to the rails and adapted to engage the upper surface of ~~[[a]]~~ the loaded pallet supported by the rails, and

a stop (48) on or adjacent at least one of the rails near ~~[[an]]~~ the support rear end ~~of the support remote from that normally used for loading the pallet.~~

2. (currently amended) Apparatus according to Claim 1, wherein the stop (48) includes an elongate plate having a substantially vertical portion (49) and a transverse portion (50), the transverse portion being substantially perpendicular to

the vertical portion and extending towards the support loading end ~~of the support~~.

3. (currently amended) Apparatus according to Claim 1, wherein the stop (48) includes an elongate plate having a substantially vertical portion (49) and a transverse portion (50), the transverse portion being substantially perpendicular to the vertical portion and extending towards the support loading end ~~of the support~~ and wherein the a width of the stop (48) is substantially equal to that of the rail (12) ~~or the stop is approximately equal in width to a pallet~~.

4. (currently amended) Apparatus according to Claim 1, further including one or more gate members (21) located near the support loading end ~~of the support~~, the gate member being movable between a locking position where it protrudes into ~~[[the]]~~ a path of the pallet at or near the support loading end ~~of the support~~ and a release position where it is clear of the path.

5. (currently amended) Apparatus according to Claim 1, further including one or more gate members (21) located near the support loading end ~~of the support~~, the gate member being movable between a locking position where it protrudes into the path of the pallet at or near the support loading end ~~of the support~~ and a release position where it is clear of the path, wherein the

gate member (21) is movable ~~by means of~~ using a pivot fitted near the support loading end ~~of the support~~.

6. (currently amended) Apparatus according to Claim 1, further including:

~~one or more~~ gate members (21) located near the support loading end ~~of the support~~, the

a first gate member being movable between a locking position where ~~[[it]]~~ the first gate member protrudes into the path of the pallet at or near the support loading end ~~of the support~~ and a release position where ~~[[it]]~~ the first gate member is clear of the path,

wherein a pair of said gate members (21) is provided, one of the pair being located near a respective one of the opposed rails (12), the one gate member including an angled bracket having a first portion and a second portion substantially perpendicular to the first, the second portion extending into the path of the pallet when the one gate member is in ~~[[its]]~~ a locking position.

7. (currently amended) Apparatus according to Claim 1, further including one or more gate members (21) located near the support loading end ~~of the support~~, the gate member being movable between a locking position where ~~[[it]]~~ the gate member protrudes into the path of the pallet at or near the support loading end ~~of~~

~~the support~~ and a release position where it is clear of the path, wherein the gate member (21) extends substantially along ~~the~~ an entire support height ~~of the support~~.

8. (currently amended) Apparatus according to Claim 1, further including one or more gate members (21) located near the support loading end ~~of the support~~, the gate member being movable between a locking position where ~~[[it]]~~ the gate member protrudes into the path of the pallet at or near the support loading end ~~of the support~~ and a release position where ~~[[it]]~~ the support member is clear of the path, wherein the gate member (21) is fitted with a locking mechanism, ~~such as a biased shoot bolt (22), that can engage the support~~.

9. (currently amended) Apparatus according to Claim 1, wherein said one or more members adapted to engage the upper surface of a pallet comprise a clamping member, and the clamping member (30) includes an arm (36) that can be moved to a locking position about a pivot (34).

10. (currently amended) Apparatus according to Claim 1, wherein said one or more members adapted to engage the upper surface of a pallet comprise a clamping member, and the clamping member (30) includes an arm (36) that can be moved to a locking position about a pivot (34) and wherein the arm (36) includes a

clamp (38, 40, 42) ~~that can~~ adapted to be adjusted to contact the upper surface of the pallet.

11. (currently amended) Apparatus according to Claim 1, wherein said one or more members adapted to engage the upper surface of a pallet comprise a clamping member, and the clamping member (30) is located parallel with the rails (12).

12. (withdrawn) Apparatus according to Claim 1, wherein sides of the support include one or more apertures (10A) or slots for receiving a member, such as a pin or strap, inserted through a corresponding aperture or slot in the side of the pallet to further help secure the pallet on the support.

13. (withdrawn) Apparatus according to Claim 1, further including a shelf (52) movably mounted on the rails (12), the shelf adapted for supporting the pallet and being movable between a loading/unloading position where it protrudes at least partially beyond the loading end of the support and a storage position where it does not substantially protrude beyond the loading end.

14. (withdrawn) Apparatus according to Claim 1, further including a shelf (52) movably mounted on the rails (12), the shelf adapted for supporting the pallet and being movable between

a loading/unloading position where it protrudes at least partially beyond the loading end of the support and a storage position where it does not substantially protrude beyond the loading end, the apparatus including a further pair of rails (54) located spaced above and substantially parallel with the horizontal rails (12), in use the pallet being supported between the horizontal and further rails.

15. (withdrawn) Apparatus according to Claim 1, further including a shelf (52) movably mounted on the rails (12), the shelf adapted for supporting the pallet and being movable between a loading/unloading position where it protrudes at least partially beyond the loading end of the support and a storage position where it does not substantially protrude beyond the loading end, wherein sides of the shelf (52) include low friction devices, such as a wheel (58), to assist sliding the shelf along the rails (12).

16. (withdrawn) Apparatus according to Claim 1, further including a shelf (52) movably mounted on the rails (12), the shelf adapted for supporting the pallet and being movable between a loading/unloading position where it protrudes at least partially beyond the loading end of the support and a storage position where it does not substantially protrude beyond the loading end, wherein sides of the shelf (52) include low friction

devices, such as a wheel (58), to assist sliding the shelf along the rails (12), and wherein the wheel (58) is sized so as to contact the horizontal rail (12) and the corresponding upper rail (54).

17. (withdrawn) Apparatus according to Claim 1, further including a shelf (52) movably mounted on the rails (12), the shelf adapted for supporting the pallet and being movable between a loading/unloading position where it protrudes at least partially beyond the loading end of the support and a storage position where it does not substantially protrude beyond the loading end, the apparatus including a low friction device, such as a wheel (64), located on the support beyond the loading end of the horizontal rails and substantially at the same level as the horizontal rail(s) to help support the shelf (52) when it is in its loading/unloading position.

18. (withdrawn) Apparatus according to Claim 1, further including a shelf (52) movably mounted on the rails (12), the shelf adapted for supporting the pallet and being movable between a loading/unloading position where it protrudes at least partially beyond the loading end of the support and a storage position where it does not substantially protrude beyond the loading end, the apparatus further including a rear shelf stop

(60) fitted on the sides of the support at or near the end of the support remote from the loading end.

19. (withdrawn) Apparatus according to Claim 1, further including a shelf (52) movably mounted on the rails (12), the shelf adapted for supporting the pallet and being movable between a loading/unloading position where it protrudes at least partially beyond the loading end of the support and a storage position where it does not substantially protrude beyond the loading end, the apparatus further including a front shelf stop (62) fitted to at least one side of the support at or near the loading end, the sides of the shelf (52) including a corresponding member that can engage with the front shelf stop to limit movement of the shelf.

20. (withdrawn) Apparatus according to Claim 1, further including a shelf (52) movably mounted on the rails (12), the shelf adapted for supporting the pallet and being movable between a loading/unloading position where it protrudes at least partially beyond the loading end of the support and a storage position where it does not substantially protrude beyond the loading end, wherein the front of the shelf (52) is fitted with one or more impact-resistant member, such as rubber vibration suppression bumpers (29), intended to reduce or eliminate damage caused by contact with parts of the support.



21. (withdrawn) Apparatus according to Claim 1, further including a shelf (52) movably mounted on the rails (12), the shelf adapted for supporting the pallet and being movable between a loading/unloading position where it protrudes at least partially beyond the loading end of the support and a storage position where it does not substantially protrude beyond the loading end, the apparatus further including a secondary lock mechanism (68) fitted near the loading end of the support, the lock mechanism including a locking member (70) that can releasably engage the shelf (52).

22. (withdrawn) Apparatus according to Claim 1, further including a shelf (52) movably mounted on the rails (12), the shelf adapted for supporting the pallet and being movable between a loading/unloading position where it protrudes at least partially beyond the loading end of the support and a storage position where it does not substantially protrude beyond the loading end, the apparatus further including a secondary lock mechanism (68) fitted near the loading end of the support, the lock mechanism including a locking member (70) that can releasably engage the shelf (52), wherein lock mechanism (68) operates under gravity to lock the shelf and requires user intervention to unlock the shelf.

23. (withdrawn) Apparatus according to Claim 1, further including a shelf (52) movably mounted on the rails (12), the shelf adapted for supporting the pallet and being movable between a loading/unloading position where it protrudes at least partially beyond the loading end of the support and a storage position where it does not substantially protrude beyond the loading end, the apparatus further including a secondary lock mechanism (68) fitted near the loading end of the support, the lock mechanism including a locking member (70) that can releasably engage the shelf (52), wherein the shelf (52) includes one or more projections (76, 78) for engaging with the locking member (70).

24. (withdrawn) Apparatus according to Claim 1, further including a shelf (52) movably mounted on the rails (12), the shelf adapted for supporting the pallet and being movable between a loading/unloading position where it protrudes at least partially beyond the loading end of the support and a storage position where it does not substantially protrude beyond the loading end, the apparatus further including a secondary lock mechanism (68) fitted near the loading end of the support, the lock mechanism including a locking member (70) that can releasably engage the shelf (52), wherein the shelf (52) includes one or more projections (76, 78) for engaging with the locking member (70), wherein the locking member (70) includes a pivotable

elongate member having a notch (74) or cut out section for engaging a said projection (76).

25. (currently amended)) A pallet system including a pallet support apparatus according to Claim 1 and one or more pallets with the opposed side edge portions of each pallet directly supported by the rails.

26-27. (cancelled).

28. (currently amended) Apparatus according to claim 1, wherein said members adapted to engage the upper surface of a pallet supported by the rails comprise clamping members (30) movable to a locking position.

29. (new) A pallet support apparatus, comprising:

a pallet;

a rack formed of rails (12) located one rail above another rail and defining plural adjacent bays with sets of two parallel horizontal rails (12) positioned to respectively directly receive and support opposed side edge portions of the pallet moved in a horizontal plane between the rails;

uprights (20) located at a front of the rack, an exposed face of each upright (20) defining a division between the bays;

members connected to the rails and adapted to directly engage the upper surface of the pallet; and

a stop on or adjacent one of the rails and positioned to constrain movement of the pallet and displacement of the pallet off the rack.

30. (new) The apparatus of claim 29, further comprising:

two L-section flaps (21) hinged to each upright and extending over a full length of each upright, the flaps each having a first flange and a second flange, the two flaps being side-by-side and back-to-back with a hinging along edges of the first flanges adapting the second flanges to be swung between a position blocking adjacent ends of the rails (12) and a position projecting outwardly from the upright (20) where the flaps do not obstruct any rails.